

N/A.

1632

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/132,231DATE: 03/09/1999
TIME: 11:15:27

Input Set: I132231.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

1 <110> APPLICANT: HORWITZ, Marshall S.
2 LOEB, Lawrence A.
3 <120> TITLE OF INVENTION: METHOD FOR PRODUCING NOVEL DNA SEQUENCES WITH
4 BIOLOGICAL ACTIVITY
5 <130> FILE REFERENCE: 032425-001
6 <140> CURRENT APPLICATION NUMBER: US/09/132,231
7 <141> CURRENT FILING DATE: 1998-08-11
8 <150> EARLIER APPLICATION NUMBER: US 08/316,415
9 <151> EARLIER FILING DATE: 1994-09-30
10 <160> NUMBER OF SEQ ID NOS: 57
11 <170> SOFTWARE: PatentIn Ver. 2.0
12 <210> SEQ ID NO 1
13 <211> LENGTH: 17
14 <212> TYPE: DNA
15 <213> ORGANISM: Escherichia coli
16 <220> FEATURE:
17 <221> NAME/KEY: misc_difference
18 <222> LOCATION: (1)..(9)
19 <223> OTHER INFORMATION: Nucleotide at position 9 is n wherein n = a, c, g,
20 or t.
21 <400> SEQUENCE: 1
22 ccgaattcna tcgatcc 17
23 <210> SEQ ID NO 2
24 <211> LENGTH: 17
25 <212> TYPE: DNA
26 <213> ORGANISM: Escherichia coli
27 <220> FEATURE:
28 <221> NAME/KEY: misc_feature
29 <222> LOCATION: (1)..(9)
30 <223> OTHER INFORMATION: Nucleotide at position 9 is n wherein n = c, g, or
31 t.
32 <400> SEQUENCE: 2
33 ccgaattcna tcgatcc 17
34 <210> SEQ ID NO 3
35 <211> LENGTH: 11
36 <212> TYPE: DNA
37 <213> ORGANISM: Escherichia coli
38 <400> SEQUENCE: 3
39 tgcggtagtt t 11
40 <210> SEQ ID NO 4
41 <211> LENGTH: 26
42 <212> TYPE: DNA
43 <213> ORGANISM: Escherichia coli
44 <400> SEQUENCE: 4

Does Not Comply
Corrected Diskette Needed

See p 5, 3, 4

not "a" as in
seq. 1
(2237)?
repeated

W-OK

W-OK

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45	aattcttggg cgcgcgtcgg cttgat	26
46	<210> SEQ ID NO 5	
47	<211> LENGTH: 24	
48	<212> TYPE: DNA	
49	<213> ORGANISM: Escherichia coli	
50	<400> SEQUENCE: 5	
51	cgatcaagcc gacgcgcgcc caag	24
52	<210> SEQ ID NO 6	
53	<211> LENGTH: 20	
54	<212> TYPE: DNA	
55	<213> ORGANISM: Escherichia coli	
56	<400> SEQUENCE: 6	
57	tttctgggtg cataactcttc	20
58	<210> SEQ ID NO 7	
59	<211> LENGTH: 26	
60	<212> TYPE: DNA	
61	<213> ORGANISM: Escherichia coli	
62	<400> SEQUENCE: 7	
63	tttctgggtg agacctcata ctcttc	26
64	<210> SEQ ID NO 8	
65	<211> LENGTH: 20	
66	<212> TYPE: DNA	
67	<213> ORGANISM: Escherichia coli	
68	<220> FEATURE:	
69	<221> NAME/KEY: misc_feature	
70	<222> LOCATION: (1)..(11)	
71	<223> OTHER INFORMATION: Nucleotide at position 11 is n wherein n = a, c,	
72	g, or t.	
73	<400> SEQUENCE: 8	
74	ggggagatct nagatctggg	20
75	<210> SEQ ID NO 9	
76	<211> LENGTH: 10	
77	<212> TYPE: DNA	
78	<213> ORGANISM: Escherichia coli	
79	<400> SEQUENCE: 9	
80	ccccagatct	10
81	<210> SEQ ID NO 10	
82	<211> LENGTH: 47	
83	<212> TYPE: DNA	
84	<213> ORGANISM: Escherichia coli	
85	<220> FEATURE:	
86	<221> NAME/KEY: misc_feature	
87	<222> LOCATION: (16)..(38)	
88	<223> OTHER INFORMATION: Nucleotides 16 to 38 are n wherein n = unspecified	
89	bases.	
90	<400> SEQUENCE: 10	
91	cgccccgagg aacgtnnnnnn nnnnnnnnnn nnnnnnnnag tactgct	47
92	<210> SEQ ID NO 11	
93	<211> LENGTH: 46	
94	<212> TYPE: DNA	

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95 <213> ORGANISM: Escherichia coli
96 <220> FEATURE:
97 <221> NAME/KEY: misc_feature
98 <222> LOCATION: (18)..(26)
99 <223> OTHER INFORMATION: Nucleotides 18 to 26 are n wherein n = unspecified
100 bases.
101 <220> FEATURE:
102 <221> NAME/KEY: misc_feature
103 <222> LOCATION: (30)..(35)
104 <223> OTHER INFORMATION: Nucleotides 30 to 35 are n wherein n = unspecified
105 bases.
W--> 106 <400> SEQUENCE: 11
107 cgccccagga acgtttttnnn nnnnnnagcn nnnnnaaagt actgct 46
108 <210> SEQ ID NO 12
109 <211> LENGTH: 47
110 <212> TYPE: DNA
111 <213> ORGANISM: Escherichia coli
112 <400> SEQUENCE: 12
113 cgccccgagg aacgttttcc cgtcatgagc atcatcaaag tactgct 47
114 <210> SEQ ID NO 13
115 <211> LENGTH: 57
116 <212> TYPE: DNA
117 <213> ORGANISM: Escherichia coli
118 <400> SEQUENCE: 13
119 caagaattct catgtttgac agcttatcat cgataagctt taatgcggta gtttatc 57
120 <210> SEQ ID NO 14
121 <211> LENGTH: 57
122 <212> TYPE: DNA
123 <213> ORGANISM: Escherichia coli
124 <400> SEQUENCE: 14
125 gttcttaaga gtacaaactg tcgaatagta gctattcgaa attacgccat caaatag 57
126 <210> SEQ ID NO 15
127 <211> LENGTH: 19
128 <212> TYPE: DNA
129 <213> ORGANISM: Escherichia coli
130 <220> FEATURE:
131 <221> NAME/KEY: misc_feature
132 <222> LOCATION: (1)..(15)
133 <223> OTHER INFORMATION: Nucleotides 1 to 15 are n wherein n = unspecified
134 bases.
W--> 135 <400> SEQUENCE: 15
136 nnnnnnnnnn nnnnnnnnnn 19
137 <210> SEQ ID NO 16
138 <211> LENGTH: 40
139 <212> TYPE: DNA
140 <213> ORGANISM: Escherichia coli
141 <400> SEQUENCE: 16
142 ttctcatggt tgacagctta tcatcgataa gctttaatgc 40
143 <210> SEQ ID NO 17
144 <211> LENGTH: 40

what about these n's? They need <222>-<223>
Hploration, Not

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145	<212> TYPE: DNA	
146	<213> ORGANISM: Escherichia coli	
147	<400> SEQUENCE: 17	
148	gtgcagaaac gccgcagggg aaagaactgc gccttgacat	40
149	<210> SEQ ID NO 18	
150	<211> LENGTH: 16	
151	<212> TYPE: DNA	
152	<213> ORGANISM: Escherichia coli	
153	<400> SEQUENCE: 18	
154	ggagccgccg atacgt	16
155	<210> SEQ ID NO 19	
156	<211> LENGTH: 19	
157	<212> TYPE: DNA	
158	<213> ORGANISM: Escherichia coli	
159	<400> SEQUENCE: 19	
160	aaggcagggg gggcgacat	19
161	<210> SEQ ID NO 20	
162	<211> LENGTH: 12	
163	<212> TYPE: DNA	
164	<213> ORGANISM: Escherichia coli	
165	<400> SEQUENCE: 20	
166	cccatgcaaa ta	12
167	<210> SEQ ID NO 21	
168	<211> LENGTH: 10	
169	<212> TYPE: DNA	
170	<213> ORGANISM: Escherichia coli	
171	<400> SEQUENCE: 21	
172	ttccgggtcc	10
173	<210> SEQ ID NO 22	
174	<211> LENGTH: 22	
175	<212> TYPE: DNA	
176	<213> ORGANISM: Escherichia coli	
177	<400> SEQUENCE: 22	
178	tcttgggcgc gcgtcggtt ga	22
179	<210> SEQ ID NO 23	
180	<211> LENGTH: 18	
181	<212> TYPE: DNA	
182	<213> ORGANISM: Escherichia coli	
183	<400> SEQUENCE: 23	
184	gcccccttttc tcccttga	18
185	<210> SEQ ID NO 24	
186	<211> LENGTH: 23	
187	<212> TYPE: DNA	
188	<213> ORGANISM: Escherichia coli	
189	<400> SEQUENCE: 24	
190	cgtccctgcc ttgcgcttgt tcc	23
191	<210> SEQ ID NO 25	
192	<211> LENGTH: 25	
193	<212> TYPE: DNA	
194	<213> ORGANISM: Escherichia coli	

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Input Set: I132231.RAW

195	<400> SEQUENCE: 25	
196	gcgtgtcggt ccccggtgtct cttca	25
197	<210> SEQ ID NO 26	
198	<211> LENGTH: 19	
199	<212> TYPE: DNA	
200	<213> ORGANISM: Escherichia coli	
201	<400> SEQUENCE: 26	
202	cgtggcgccc gtgcctttc	19
203	<210> SEQ ID NO 27	
204	<211> LENGTH: 19	
205	<212> TYPE: DNA	
206	<213> ORGANISM: Escherichia coli	
207	<400> SEQUENCE: 27	
208	ctttcggttg cgggcgtgc	19
209	<210> SEQ ID NO 28	
210	<211> LENGTH: 19	
211	<212> TYPE: DNA	
212	<213> ORGANISM: Escherichia coli	
213	<400> SEQUENCE: 28	
214	cggtgggcgg ccgtgtcgg	19
215	<210> SEQ ID NO 29	
216	<211> LENGTH: 19	
217	<212> TYPE: DNA	
218	<213> ORGANISM: Escherichia coli	
219	<400> SEQUENCE: 29	
220	gggcggtctc ccggtcgtt	19
221	<210> SEQ ID NO 30	
222	<211> LENGTH: 15	
223	<212> TYPE: DNA	
224	<213> ORGANISM: Escherichia coli	
225	<400> SEQUENCE: 30	
226	ggcggtggcg gccgc	15
227	<210> SEQ ID NO 31	
228	<211> LENGTH: 29	
229	<212> TYPE: DNA	
230	<213> ORGANISM: Escherichia coli	
231	<400> SEQUENCE: 31	
232	gcccttgctt tgggtgtctt getcgcccc	29
233	<210> SEQ ID NO 32	
234	<211> LENGTH: 26	
235	<212> TYPE: DNA	
236	<213> ORGANISM: Escherichia coli	
237	<400> SEQUENCE: 32	
238	tcttcggttg gccttcgggc gagagt	26
239	<210> SEQ ID NO 33	
240	<211> LENGTH: 19	
241	<212> TYPE: DNA	
242	<213> ORGANISM: Escherichia coli	
243	<400> SEQUENCE: 33	
244	tgtggtgtct gcgcgccg	19

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION US/09/132,231DATE: 03/09/1999
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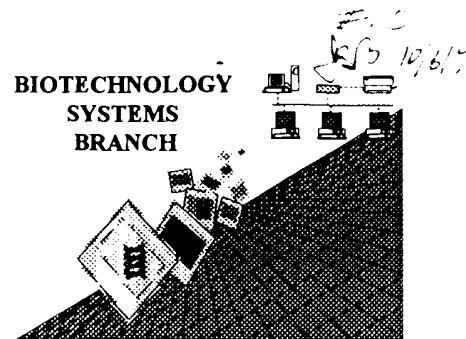
Input Set: I132231.RAW

Line	? Error/Warning	Original Text
22	W "N" or "Xaa" used: Feature required	ccgaattcna tcgatcc
33	W "N" or "Xaa" used: Feature required	ccgaattcna tcgatcc
74	W "N" or "Xaa" used: Feature required	ggggagatct nagatctggg
91	W "N" or "Xaa" used: Feature required	cgccccgagg aacgtnnnnnn nnnnnnnnnn nnnnnnnnn
107	W "N" or "Xaa" used: Feature required	cgccccagga acgtttttnnn nnnnnnnagcn nnnnnnaaa
136	W "N" or "Xaa" used: Feature required	nnnnnnnnnn nnnnnnnnnn
261	W "N" or "Xaa" used: Feature required	cgccgaggan nnnnnnnnnnn nnnnnnnnnnn nnagtact
272	W "N" or "Xaa" used: Feature required	ccgaggaann nnnnnnnnnnn nnnnnnnnnnn nagt
283	W "N" or "Xaa" used: Feature required	ccttnnnnnnn nnnnnnnnnnn nnnnnnnntca
294	W "N" or "Xaa" used: Feature required	ccgaggaacg ttttnnnnnnn nnnnagcnnnn nnaaagt
305	W "N" or "Xaa" used: Feature required	ccttgcaaaa nnnnnnnnnnt cgnnnnnntt tca

r.1a.

RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/132,231

Art Unit / Team No. : 1632

Date Processed by STIC: 3/9/99

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

ARTI SHAH 703-308-4212